

**Four Corners Air Quality Task Force
Oil and Gas Work Group Conference Call Notes**

March 7, 2007

2:00 PM

Participants

Jen Mattox, CDPHE-APCD; Andy Berger, NMED-AQB; Rita Trujillo, NMED-AQB; Suzanne Holland, Chevron; Cindy Beeler, EPA Region 8; James Tempte, Southern Ute Indian Tribe; Roger Cole, Argonne; Aaron Worstell, URS; Mike Lazarro, Argonne; Walt Brown, USFS/BLM; Brady Winkleman, Caterpillar; Ron Freisen, ENVIRON; Mark Jones, NMED-AQB

Agenda Items

1. Update on Emission Inventory for O&G Tagged Options

Rita: Meeting in Denver on Feb. 27 regarding Doug Blewitt's Emission Inventory (EI) data set to be used for tagged items that the work groups have requested support from Cumulative Effects. Doug's Colorado side is based on SUIT inventories, will be posted online soon. NM EI for area sources, ozone precursors, San Juan & Rio Arriba counties now posted. Doug is still working on New Mexico side. BP is 80% oil and gas operations in SW CO, so BP is surrogate for Colorado (grow BP for Colorado numbers). Inventories will be used to address tagged items and form CE responses. Some cannot be addressed with inventories - outside scope of task force. Important to point out that if agency pulls option as potential, it would only be beginning - full rulemaking process would follow. TF report is end of TF but beginning of agencies' work.

Mike: Is CE work group only able to handle limited number of mitigation options? 6? 20?

Jen: There are about 20. In August we sent 13, now about 20. As RT was saying, because of content of inventory, it may not be possible for CE to address all tagged mitigation options.

CE will probably address mobile sources?

Drill rigs? Not accounted for in inventory for Colorado yet- Doug intends to include the data once it is available.

Mike: Doug is working with BP engine inventory. Did anyone at Feb. 27 meeting volunteer to provide Doug with more engine inventory data?

Rita: San J & RA county inventories has some of that information, can be used by Doug. Did Doug request data yet?

Ron: No. Over 2,000 engines in database.

Jen: We have described a potential EI for review of our tagged options. Let's review the tagged options and determine if there are high priorities/overlaps/not appropriate.

2. Update on Tracking Table, if any

Jen: Due date for papers pushed back to 3/23. Please turn in any papers already completed before that date. Please keep in mind that this is the last actual round of drafting, and that all papers should be included in this draft so that the group can begin to focus on some of the content of the papers. This will be the bulk of the agenda for the next quarterly meeting.

3. Review Tagged Options and answer questions from CE for assumptions used in quantifying emissions.

Mike G. sent to Jen a few questions -

Whether each option deals with new or existing equipment?

→OG Workgroup has answered this question for each option requesting CE support.

Workgroup has requested whether the EI will accommodate the definitions of new and existing as follows:

1. EXISTING as those RICE in EI “grown” 2002-2007.
2. NEW as those RICE in EI after 2007.

Engine size?

→Engine breakdown determined based on Interim Emission Standards Mitigation Options Papers. Workgroup will request the following horsepower delineation:

1. RICE <100 hp
2. RICE 100-300 hp
3. RICE >300 hp.

Tagged Mitigation Options:

1. Lease and permit emissions reductions would depend on emissions reductions req'ts are in lease agreements. **REMOVE FROM TAGGED LIST.**
2. Industry collaboration - Integrate EI.
3. Electric Compression - Mike L. to expand mitigation option via the comment protocol to include on-site generation.
4. Follow EPA NSPS for existing - use EI estimates that grow 2002 numbers up to 2007.
5. Use of SCR for NO_x control on lean burn engines - both new and existing engines, based on definition of existing check with Doug to determine how practicable.
6. Use of NSCR/3-way catalysts and AFRC on Stoichiometric engines – CE requested to use same definition for existing.
7. Use oxidation catalysts and AFRC on lean burn - – CE requested to use same definition for existing.
8. Install lean burn - – CE requested to use same definition for existing.
9. Interim Emissions Recommendations for Stationary RICE - applies to new and replacement engines.
10. Next Generation Stationary RICE Control Tech - for new engines, within the same HP ranges (hp < 100, 100-300hp, and >300hp)_
11. SCR (Rig Engines) - – CE requested to use same definition for existing.

12. SNCR - – CE requested to use same definition for existing.

13. Implementation of EPA's Non-Road Diesel Engine Rule (for Drill Rigs)- Tier 2 - 4 standards - Jen talk to Dave and Myke about trending data.

Prioritization for CE:

RICE options at top of list.

Lease and permit option removed from tagged list.

New Generation Station RICE at bottom of list.

Jen will update CE request and attach engine matrix from Mike Lazarro for use.